



Figure S2. SiliH-NOX ligation states.

UV/Vis spectra of SiliH-NOX in different oxidation and ligation states. $\text{Fe}^{3+} \lambda_{\max} = 411 \text{ nm}$; $\text{Fe}^{2+} \lambda_{\max} = 426 \text{ nm}$; $\text{Fe}^{2+}\text{-NO} \lambda_{\max} = 399 \text{ nm}$; $\text{Fe}^{2+}\text{-CO} \lambda_{\max} = 420 \text{ nm}$.